

Maui Insect Notes and Records.

BY O. H. SWEZEY.

(Presented at the meeting of April 3, 1924.)

The following notes are of interest for record, being observations made on a recent inspection trip to the sugar plantations of Maui. Several of the recently introduced insects were found established there for the first time.

Scolia manilae Ashm.

A few were observed in a cane-field at Hana. This is the first record of its being established at the east end of the island.

Casinarina infesta (Cress.).

This was observed at Hana also, it being the first record of this leaf-roller parasite on Maui.

Notogonidea luzonensis Rohwer.

This recently introduced Philippine cricket wasp was observed along irrigation ditch banks in cane-fields at Maui Agricultural Company, Hawaiian Commercial and Sugar Company, and Pioneer Mill Company. It is the first record of its being established on Maui. It has reached the island without assistance, no colonies ever having been distributed there.

Hyperaspis silvestrii Weise.

This little lady-beetle, introduced from Mexico in 1922, was found feeding on the avocado mealy bug on a small tree at the Paia Club House. Several larvae, as well as adults, were observed, indicating it to be well established.

Cyrtorhinus mundulus (Bredd.).

This Australian leaf-hopper egg-sucking bug was found at Maui Agricultural Company, Olowalu Sugar Company, and Pioneer Mill Company. At the other plantations leaf-hoppers were too scarce for the bug to maintain its existence.

Monomorium fossulatum seychellense Emery.

This ant was found at the base of pineapple plants at Haiku. It is an immigrant ant that has only lately come to our attention, occurring in the soil among roots of sugar-cane stools. It has been found on Oahu, Kauai, and Hawaii. This is the first record of it on Maui.

Proterhinus deceptor Perkins.

This native beetle was found very abundant on pamakani, its larvae feeding in the dead stems, in Iao Valley and Waikapu Valley. A few *Cis tabidus* Shp. and *Apterocis ephistemoides* Shp. were also found, as well as one or more species of *Oode-mas*. The specimens were sent to Dr. Perkins for determination. Pamakani was found to have invaded these two valleys very extensively, blocking up trails and small gulches, and covering steep, rocky slopes where previously there had been very little plant growth except moss, a few ferns, and grass.

It was surprising to find the native insects so common on this weed, especially the *Proterhinus*, as the most of the species have very strict habits as to their hosts among the Hawaiian trees.

Cerotrioza bivittata Crawford.

This small psyllid was found on a *Xylosma* tree in Iao Valley. It has heretofore been known only on Oahu.

Protoparce quinquemaculata blackburni (Butl.).

Four caterpillars of this sphingid moth were obtained from *Nicotiana glauca* bushes growing in waste land near the railroad station at Spreckelsville. This is the one locality where one or more of these caterpillars have been found at each time I have searched there.

Musca vicina Macq.

This fly was reared from maggots found in filter press mud that had been dumped in heaps alongside a plantation railroad at Hana. Maggots were very numerous in these heaps, and some of the flies that issued were the house-fly, but a larger number were the ortalid *Chrysomya aenea* (Fab.).